

**Prepared for the September 23 Central Valley Flood Protection Board Meeting**

As of July 31, statewide hydrologic conditions were as follows: precipitation, 110 percent of average to date; runoff, 95 percent of average to date; and reservoir storage, 85 percent of average for the date. Sacramento River Region unimpaired runoff, for Water Year 2016, observed through July 31, 2016 was about 16.8 million acre-feet (MAF), which is about 96 percent of average. In comparison to Water Year 2015, the observed Sacramento River Region unimpaired runoff through July 31, 2015 was about 8.7 MAF, or about 50 percent of average.

On July 31, the Northern Sierra 8-Station Precipitation Index Water Year total was 57.8 inches, which is about 118 percent of the seasonal average to date and 116 percent of an average water year (50.0 inches). During July, the total precipitation for the 8-Stations was 0.0 inches. Last year on July 31, the Water Year 2015 seasonal total for the 8-Stations was 36.7 inches, or about 75 percent of average.

On July 31, the San Joaquin 5-Station Precipitation Index Water Year total was 40.0 inches, which is about 100 percent of the seasonal average to date and 98 percent of an average water year (40.8 inches). During July, the total precipitation for the 5-Stations was 0.0 inches. Last year on July 31, the Water Year 2015 seasonal total for the 5-Stations was 18.8 inches, or about 47 percent of average.

On July 31, the Tulare Basin 6-Station Precipitation Index Water Year total was 25.7 inches, which is about 90 percent of the seasonal average to date and 88 percent of an average water year (29.3 inches). During July, the total precipitation for the 6-Stations was 0.0 inches. Last year on July 31, the Water Year 2015 seasonal total for the 6-Stations was 13.4 inches, or about 47 percent of average.

Daily Precipitation (in inches) for Selected Stations as of 07/31/2016					
Station	Oct 1 to Date 2015 - 2016	% Average	Season to Date 2014 - 2015	% Average	% Average Oct 1 - Sep 30
Mount Shasta	40.93	96	35.09	82	94
Eureka	43.97	112	30.09	76	109
Redding	37.30	110	23.12	68	108
South Lake Tahoe	22.09	115	13.81	72	108
Sacramento Executive Airport	16.14	89	15.43	85	87
Santa Rosa (Sonoma Co AP)	30.43	85	22.32	62	84
San Francisco	22.14	95	17.64	75	94
Stockton	16.60	121	10.67	78	118
Yosemite	36.07	97	18.40	50	95
Monterey	21.54	136	14.57	92	134
Paso Robles	7.37	59	8.40	67	58
Fresno	14.33	127	6.50	57	125
Bakersfield	5.44	86	5.29	83	84
Death Valley	1.68	83	1.05	52	71
Los Angeles	6.35	43	8.67	59	43
Riverside	5.17	43	5.81	48	42
Palm Springs	2.50	50	2.50	50	44
San Diego	7.73	76	10.02	99	75

Key Reservoir Storage (1,000 AF) as of 07/31/2016								
Reservoir	River	Storage	Avg Storage	% Average	Capacity	% Capacity	Flood Control Encroachment	Total Space Available
Trinity Lake	Trinity	1,151	1,954	59	2,448	47	---	1,297
Shasta Lake	Sacramento	3,544	3,234	110	4,552	78	-1,008	1,008
Lake Oroville	Feather	2,334	2,579	90	3,538	66	-1,204	1,204
New Bullards Bar Res	Yuba	740	750	99	966	77	-226	226
Folsom Lake	American	485	691	70	977	50	-492	492
New Melones Res	Stanislaus	583	1,467	40	2,400	24	-1,837	1,837
Don Pedro Res	Tuolumne	1,460	1,548	94	2,030	72	-570	570
Lake McClure	Merced	516	627	82	1,025	50	-508	509
Millerton Lake	San Joaquin	353	327	108	520	68	-168	167
Pine Flat Res	Kings	328	509	65	1,000	33	-672	672
Isabella	Kern	134	274	49	568	24	-227	434
San Luis Res	(Offstream)	195	996	20	2,041	10	---	1,844

The latest National Weather Service Climate Prediction Center (CPC) long-range, 1-month precipitation outlook for September 2016, issued August 18, 2016, suggests average precipitation for all of California, except for the northeast corner of the State where below average precipitation is indicated.